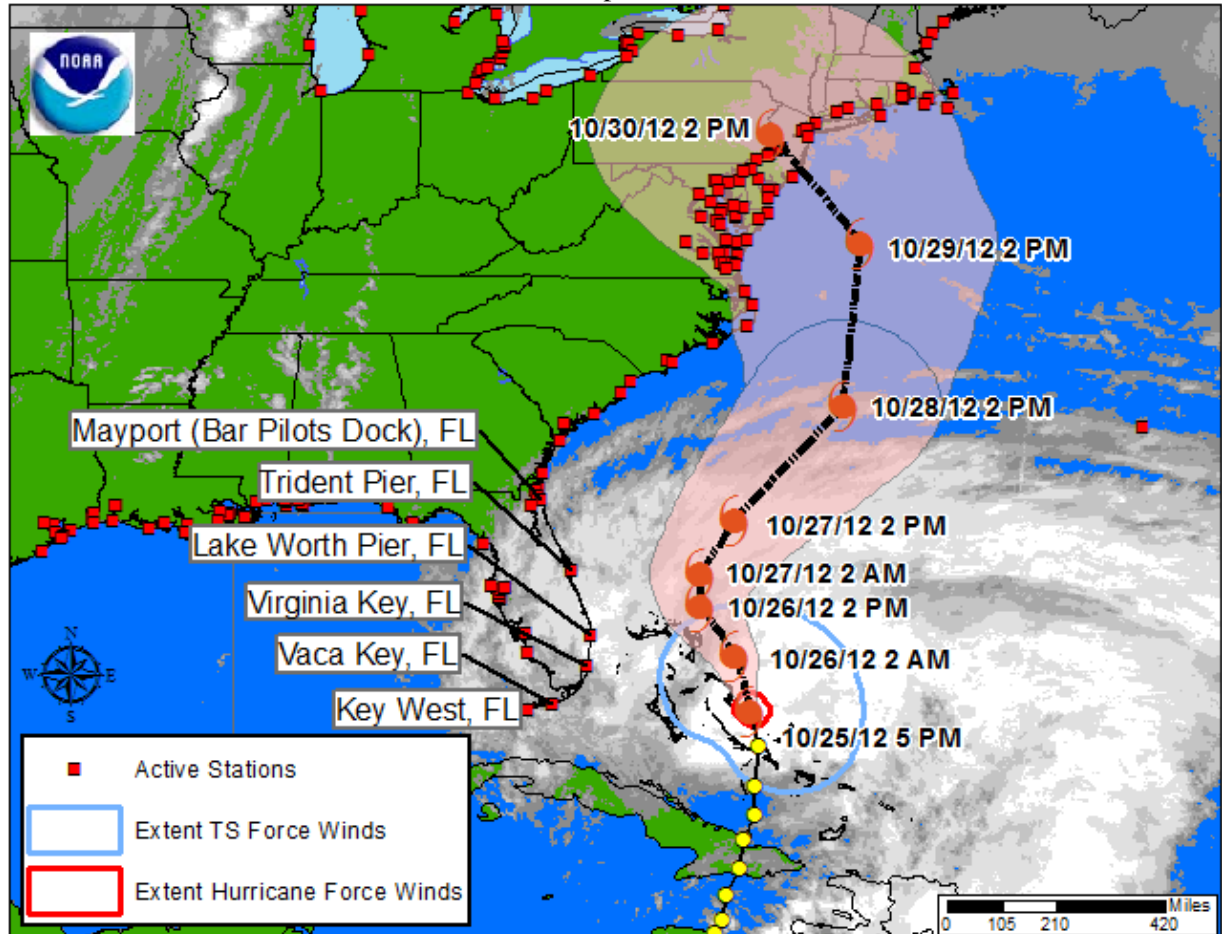




Hurricane SANDY QuickLook
Posted: 18:00 EDT 10/25/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/25/2012 18:00 EDT, water levels from the Florida Keys to Trident Pier, FL are slightly elevated and range between 0.2 and 1.0 feet above tidal predictions. Water levels at Mayport, FL are at or near predicted tide levels. Winds range from 10 to 34 knots, with gusts up to 44 knots. Barometric pressure is falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.9 ft (0.59 m) at 10/25/2012 20:02 EDT and 1.9 ft (0.58 m) at 10/26/2012 08:38 EDT.

Vaca Key, FL: Next predicted high tides are 1.0 ft (0.31 m) at 10/26/2012 00:38 EDT and 1.0 ft (0.31 m) at 10/26/2012 13:19 EDT.

Hurricane SANDY QuickLook, POSTED 18:00 EDT 10/25/2012

Virginia Key, FL: Next predicted high tides are 2.6 ft (0.78 m) at 10/25/2012 18:35 EDT and 2.6 ft (0.81 m) at 10/26/2012 07:10 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.4 ft (1.04 m) at 10/26/2012 06:21 EDT and 3.2 ft (1.00 m) at 10/26/2012 18:34 EDT.

Trident Pier, FL: Next predicted high tides are 4.2 ft (1.29 m) at 10/26/2012 06:01 EDT and 3.9 ft (1.21 m) at 10/26/2012 18:15 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 5.4 ft (1.64 m) at 10/25/2012 18:27 EDT and 5.6 ft (1.71 m) at 10/26/2012 06:54 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 14
500 PM EDT THU OCT 25 2012

...SANDY NEAR CAT ISLAND IN THE CENTRAL BAHAMAS...
...WIND FIELD EXPANDING...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * THE RAGGED ISLANDS IN THE SOUTHEASTERN BAHAMAS
- * THE CENTRAL BAHAMAS
- * THE NORTHWESTERN BAHAMAS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * FLORIDA EAST COAST FROM OCEAN REEF TO FLAGLER BEACH
- * LAKE OKEECHOBEE
- * THE REMAINDER OF THE SOUTHEASTERN BAHAMAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * FLORIDA EAST COAST FROM NORTH OF FLAGLER BEACH TO FERNANDINA BEACH
- * FLORIDA UPPER KEYS FROM OCEAN REEF TO CRAIG KEY

* FLORIDA BAY

INTERESTS ELSEWHERE ALONG THE EAST COAST OF THE UNITED STATES SHOULD MONITOR THE PROGRESS OF SANDY.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS... PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES... PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM EDT...THE CENTER OF HURRICANE SANDY WAS LOCATED NEAR LATITUDE 24.5 NORTH...LONGITUDE 75.6 WEST. SANDY IS MOVING TOWARD THE NORTH NEAR 20 MPH. A TURN TOWARD THE NORTHWEST AND A DECREASE IN FORWARD SPEED ARE EXPECTED TONIGHT AND FRIDAY...FOLLOWED BY A TURN BACK TOWARD THE NORTH AND NORTH-NORTHEAST FRIDAY NIGHT AND SATURDAY. ON THE FORECAST TRACK THE CENTER OF SANDY WILL CONTINUE MOVING THROUGH THE CENTRAL BAHAMAS TONIGHT AND MOVE NEAR THE NORTHWESTERN BAHAMAS ON FRIDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 105 MPH...WITH HIGHER GUSTS. SANDY IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS...BUT SANDY IS EXPECTED TO REMAIN A HURRICANE FOR THE NEXT COUPLE OF DAYS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES. SANDY IS EXPECTED TO GROW LARGER IN SIZE DURING THE NEXT COUPLE OF DAYS. CAT ISLAND IN THE BAHAMAS RECENTLY REPORTED A SUSTAINED WIND OF 60 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 963 MB. CAT ISLAND IN THE BAHAMAS RECENTLY REPORTED A PRESSURE OF 969 MB.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS WILL CONTINUE SPREADING ACROSS THE CENTRAL BAHAMAS THIS EVENING...AND ARE EXPECTED TO REACH THE NORTHWESTERN BAHAMAS

TONIGHT AND FRIDAY. TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD NORTHWARD IN THE WARNING AREA ALONG THE EAST COAST OF FLORIDA THIS EVENING THROUGH FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA FRIDAY NIGHT.

RAINFALL...SANDY IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 6 TO 12 INCHES ACROSS HAITI AND THE DOMINICAN REPUBLIC...WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES POSSIBLE. THESE RAINS MAY PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES...ESPECIALLY IN AREAS OF MOUNTAINOUS TERRAIN. RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER PORTIONS OF THE BAHAMAS...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL TOTALS OF 1 TO 3 INCHES ARE POSSIBLE ACROSS THE FLORIDA KEYS INTO SOUTHEAST AND EAST-CENTRAL FLORIDA...WITH ISOLATED MAXIMUM AMOUNTS OF 6 INCHES POSSIBLE.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

HURRICANE WARNING AREA IN THE BAHAMAS...5 TO 8 FT FLORIDA COAST WITHIN WARNING AREA...1 TO 2 FT

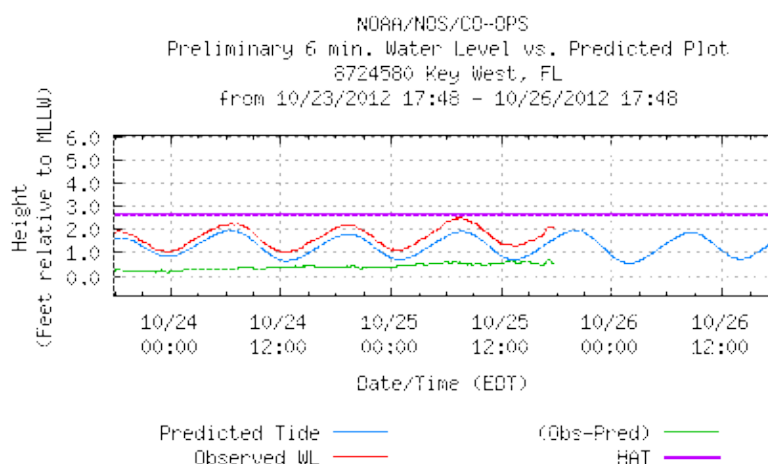
SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA... PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#),

[Key West, FL - Return to List](#)

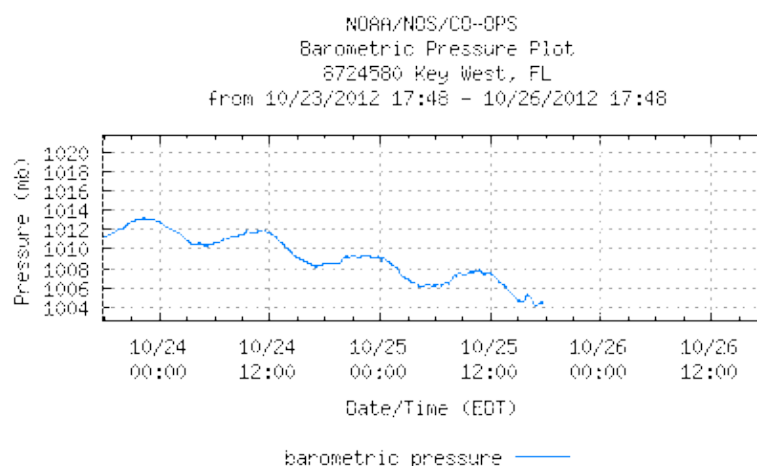


Last Observed Sample: 10/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 2.14 ft.** **Predicted: 1.60 ft.** **Residual: 0.54 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

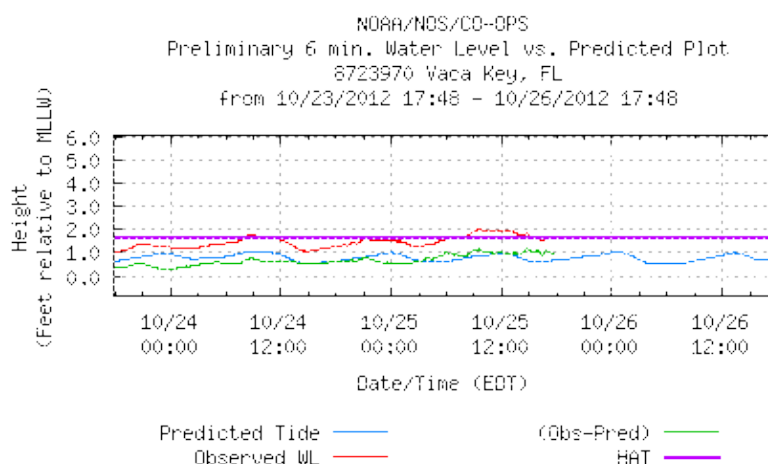
[Key West, FL - Return to List](#)



Last Observed Sample: 10/25/2012 17:42 (EDT)

Barometric Pressure: 1004.5 mb

Vaca Key, FL - Return to List

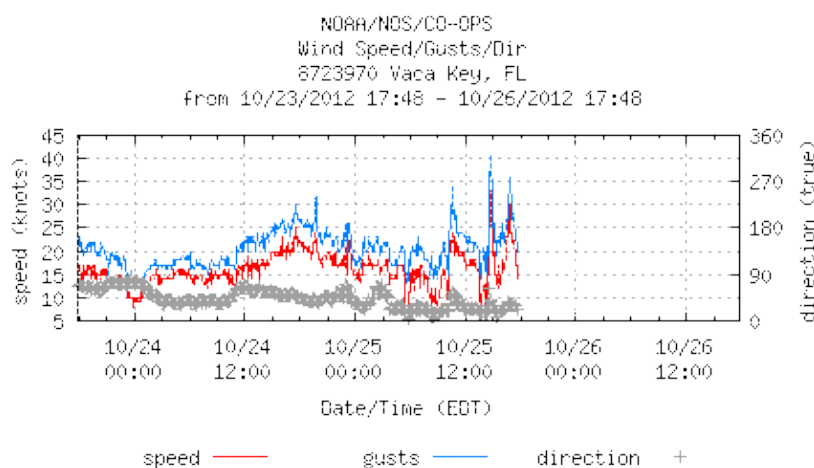


Last Observed Sample: 10/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 1.64 ft.** **Predicted: 0.68 ft.** **Residual: 0.96 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

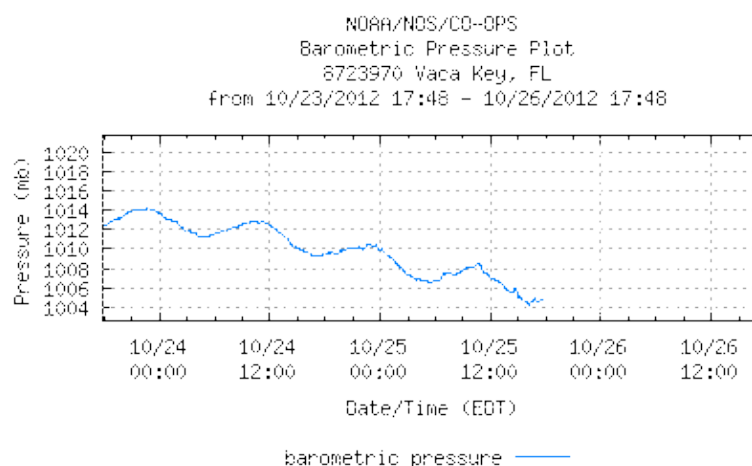
Vaca Key, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Wind Speed: 14 knots **Gusts: 20 knots** **Direction: 21° T**

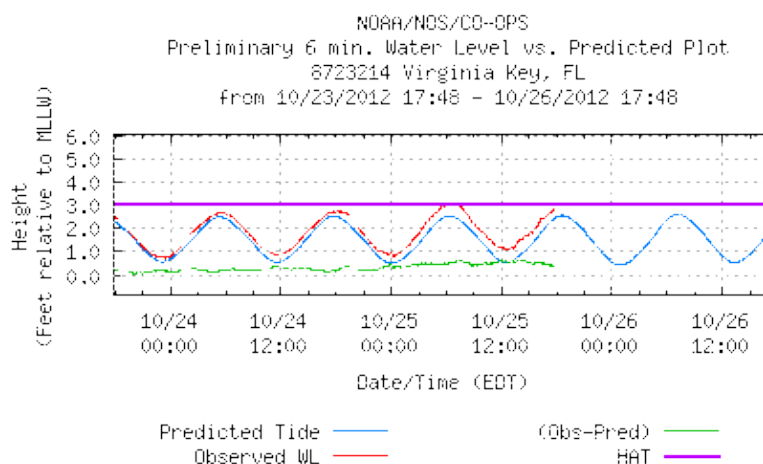
Vaca Key, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Barometric Pressure: 1004.8 mb

Virginia Key, FL - Return to List

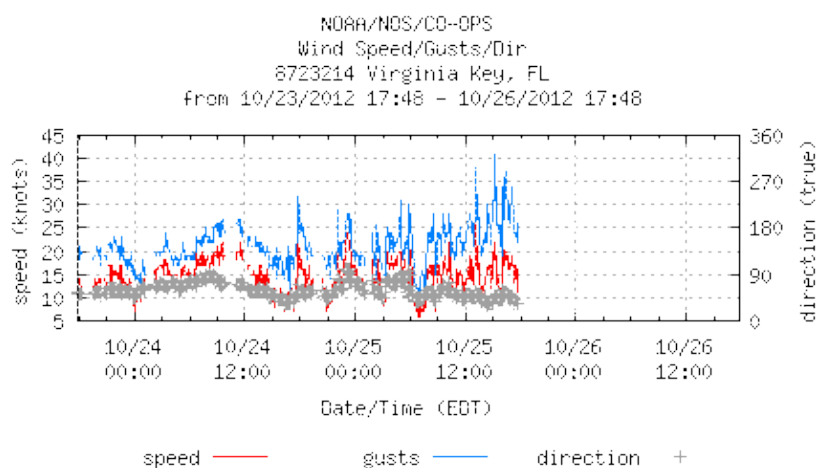


Last Observed Sample: 10/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 2.81 ft.** **Predicted: 2.42 ft.** **Residual: 0.39 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

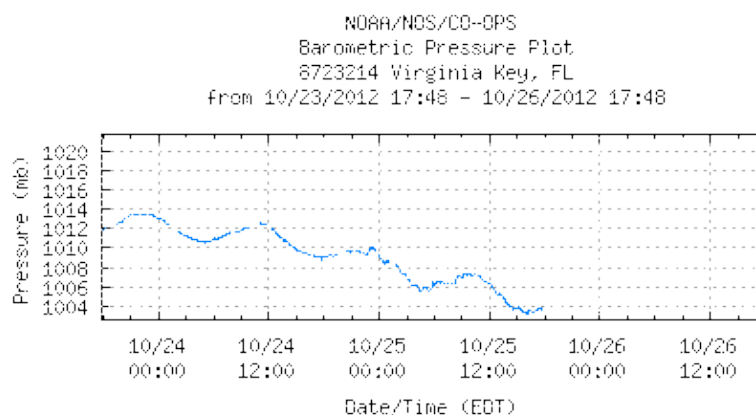
Virginia Key, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Wind Speed: 16 knots Gusts: 26 knots Direction: 34° T

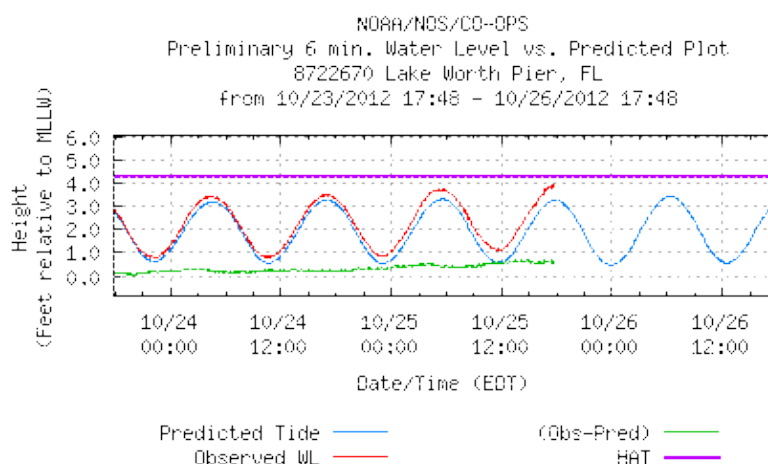
Virginia Key, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Barometric Pressure: 1003.5 mb

Lake Worth Pier, FL - Return to List

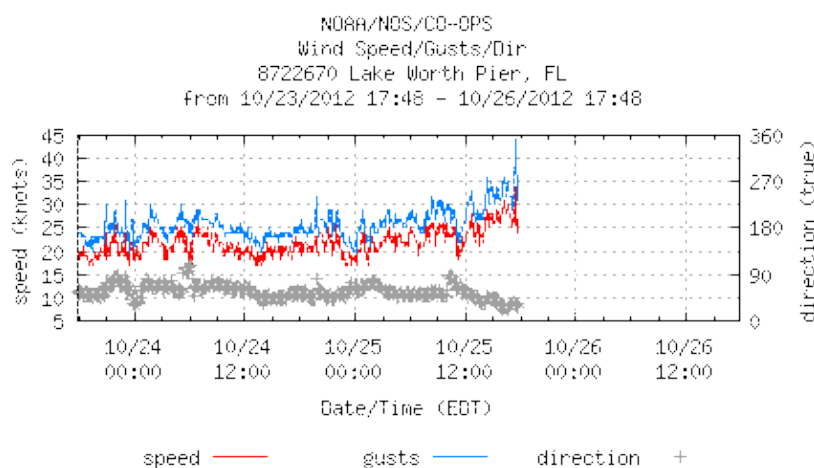


Last Observed Sample: 10/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 3.83 ft.** **Predicted: 3.25 ft.** **Residual: 0.58 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

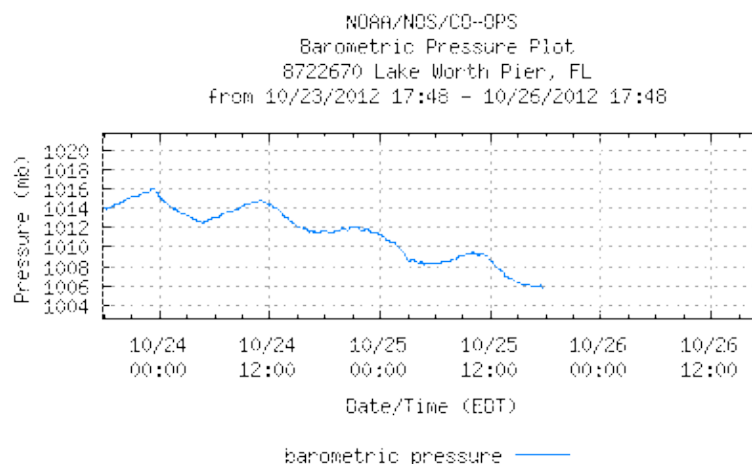
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Wind Speed: 27 knots **Gusts: 31 knots** **Direction: 33° T**

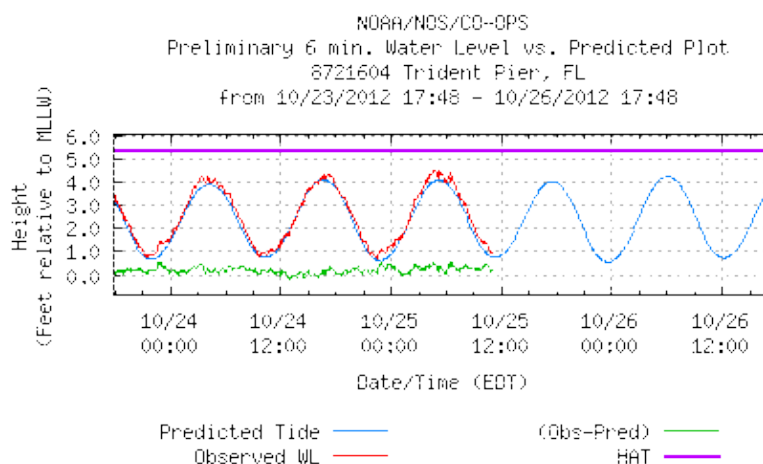
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Barometric Pressure: 1005.8 mb

Trident Pier, FL - Return to List

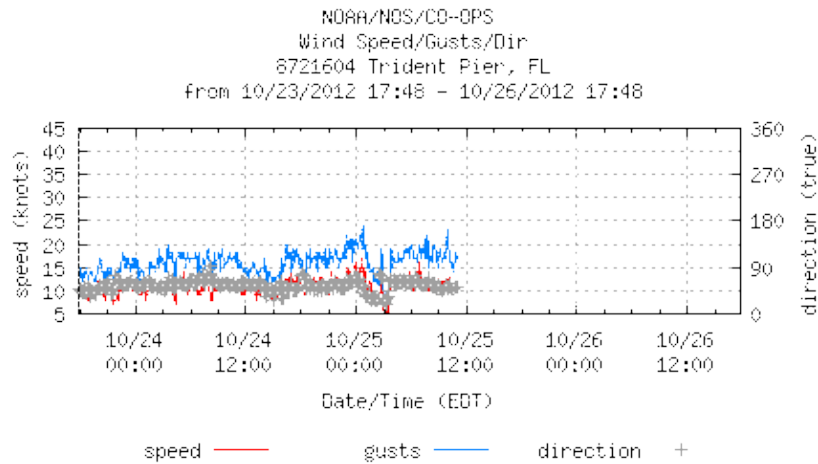


Last Observed Sample: 10/25/2012 10:54 (EDT)

Relative to MLLW: **Observed: 0.98 ft. Predicted: 0.79 ft. Residual: 0.19 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

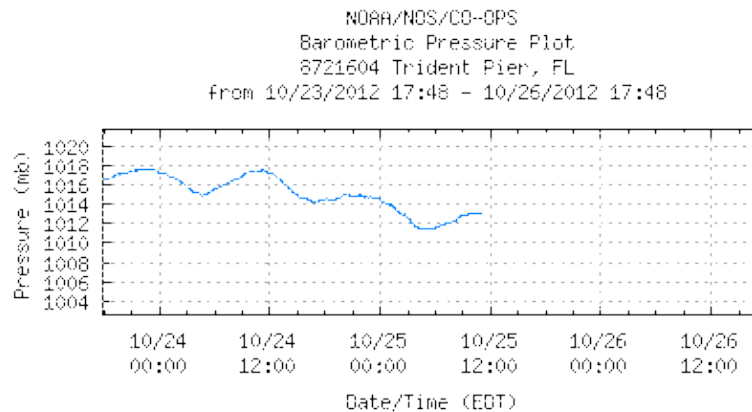
Trident Pier, FL - Return to List



Last Observed Sample: 10/25/2012 10:54 (EDT)

Wind Speed: 12 knots Gusts: 17 knots Direction: 53° T

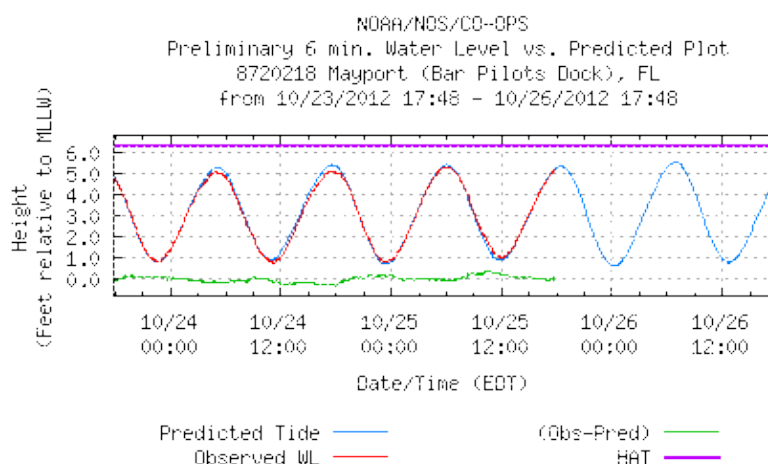
Trident Pier, FL - Return to List



Last Observed Sample: 10/25/2012 10:54 (EDT)

Barometric Pressure: 1013.1 mb

Mayport (Bar Pilots Dock), FL - Return to List

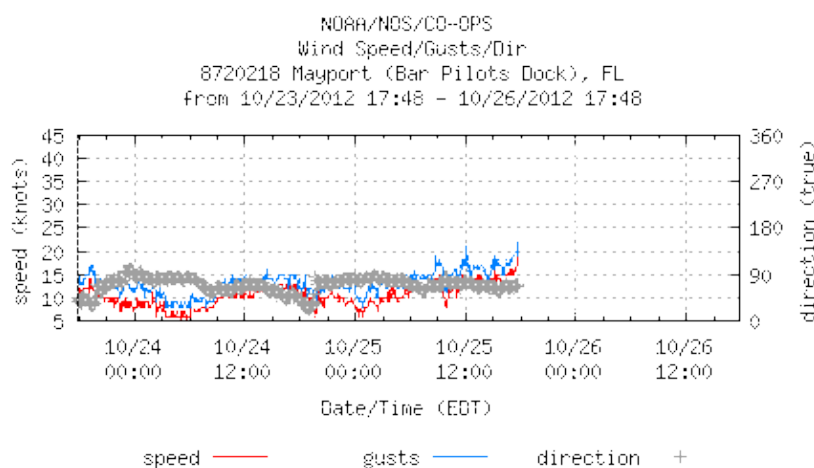


Last Observed Sample: 10/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 5.10 ft.** **Predicted: 5.20 ft.** **Residual: -0.10 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

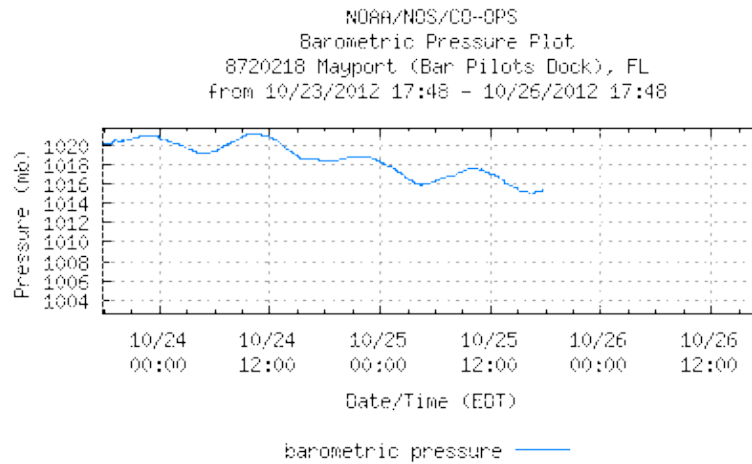
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 10/25/2012 17:42 (EDT)

Wind Speed: 19 knots **Gusts: 22 knots** Direction: 66° T

[Mayport \(Bar Pilots Dock\), FL - Return to List](#)



Last Observed Sample: 10/25/2012 17:42 (EDT)

Barometric Pressure: 1015.3 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce